

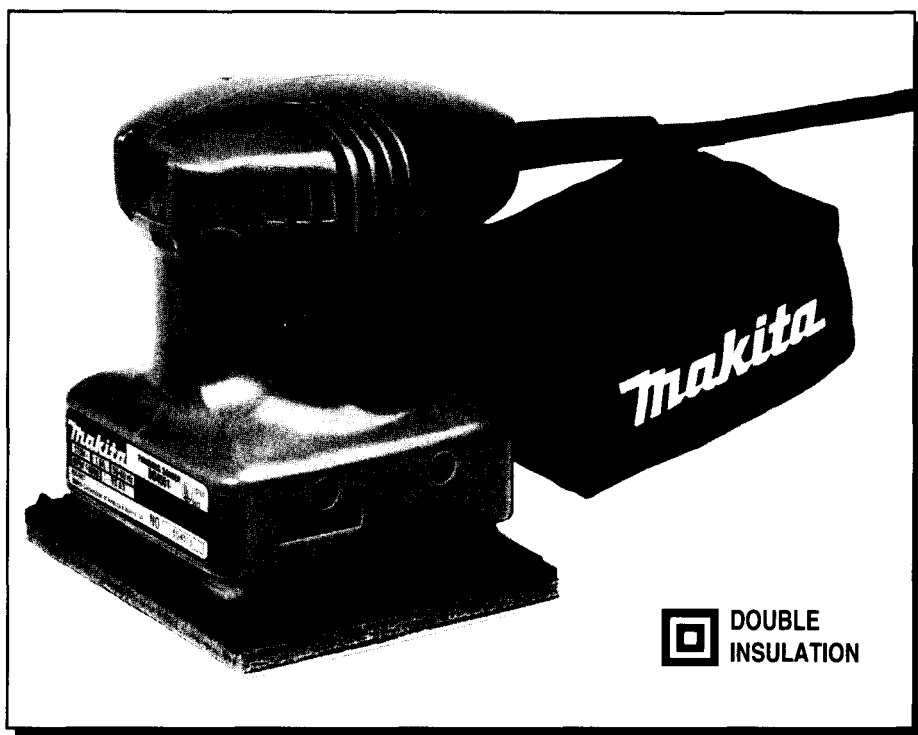


Finishing Sander

Model BO4551

uses hook-and-loop sandpaper

INSTRUCTION MANUAL



Specifications

Pad size	No load speed (OPM)	Dimensions (L x W x H)	Net weight
4 1/2" x 4"	14,000	4 3/4" x 4 1/2" x 5 3/8"	2.1 lbs.

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS.

1. **Keep work area clean.** Cluttered areas and benches invite injuries.
2. **Consider work area environment.** Do not use power tools in damp or wet locations. Keep work area well lit. Do not expose power tools to rain. Do not use tool in presence of flammable liquids or gases.
3. **Keep children away.** All visitors should be kept away from work area. Do not let visitors contact tool or extension cord.
4. **Store idle tools.** When not in use, tools should be locked-up or stored in a dry, high place — out of reach of children.
5. **Do not force tool.** It will do the job better and safer at the rate for which it was intended.
6. **Use correct tool.** Do not force small tool or attachment to do the job of a heavy-duty tool. Do not use tool for purpose not intended.
7. **Dress appropriately.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **Use safety glasses.** Also use face or dust mask if cutting operation is dusty.
9. **Do not abuse cord.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **Secure workpiece.** Use clamps or a vise to hold work. It is safer than using your hand; it also leaves both hands free to operate tool.
11. **Do not over-reach.** Keep proper footing and balance at all times.
12. **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **Disconnect tools** when not in use, before servicing, and when changing accessories, such as blades, bits, and cutters.
14. **Remove adjusting keys and wrenches.** Check to ensure that keys and adjusting wrenches are removed from tool before turning the tool on.
15. **Avoid unintentional starting.** Do not carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.

SAFETY INSTRUCTIONS continued

16. **Outdoor use extension cords.** When tool is used outdoors, use only extension cords intended for outdoor use and so marked.
17. **Stay alert.** Watch what you are doing. Do not operate tool when you are tired.
18. **Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect tool operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Defective switches should be replaced by an authorized service center. Do not use tool if the switch does not turn it on and off.
19. **Guard against electric shock.** Prevent body contact with grounded surfaces, for example: pipes, radiators, ranges, refrigerator enclosures.
20. **Replacement parts.** When servicing, use only identical replacement part.
21. **Polarized plugs:** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user, as well as damage the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES

1. Hold the tool firmly.
2. Do not leave the tool running. Operate the tool only when hand-held.
3. This tool has not been waterproofed, so do not use water on the workpiece surface.

SAVE THESE INSTRUCTIONS

INSTALLATION

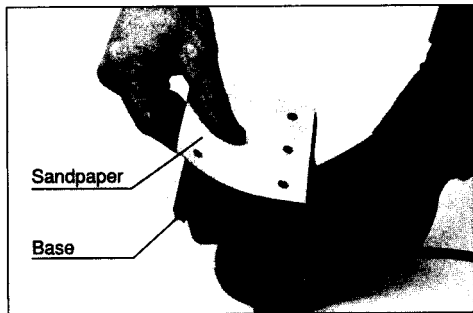
CAUTION: Always be sure the tool is switched off and unplugged before installing or removing the paper.

Attaching the Sandpaper

IMPORTANT: Use Makita hook-and-loop sandpaper with this sander.

To attach the sandpaper:

1. Set the tool upside down so that the pad is on top.
2. Position the sandpaper to fit the shape of the base. Be sure to align the holes on the sandpaper with the holes on the pad (the dust will be sucked into these holes; it is therefore important to leave them open).
3. Press the paper firmly over the pad.

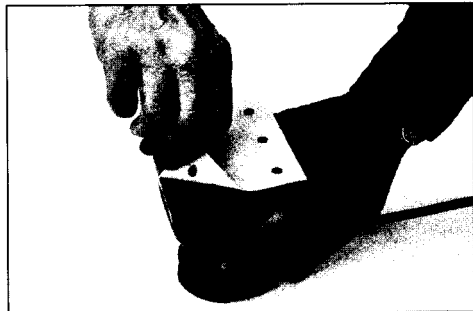


Removing the Sandpaper

To remove the sandpaper:

1. Set the tool upside down so that the sandpaper is on top.
2. Grasping one corner of the sandpaper, peel it from the pad.

Note: *If the sandpaper is in good condition, save it for future use.*

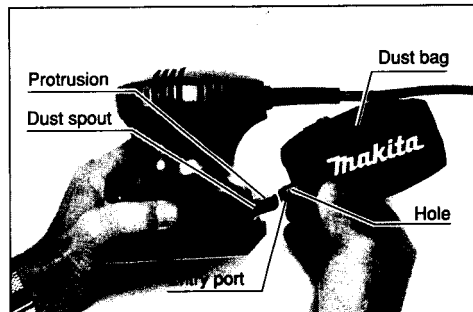


Dust Bag

The use of the dust bag makes sanding operations clean and dust collection easy.

To attach dust bag:

1. Fit the bag's entry port onto the dust spout on the tool. Make sure that the hole in the bag's entry port is just over the pimple-like protrusion on the dust spout.



Note: For the best results, empty the dust bag when it becomes approximately half full, tapping it lightly to remove as much dust as possible.

OPERATION

CAUTION: Do not block the motor vent with your hand.

Never run the tool without paper; you may seriously damage the pad.

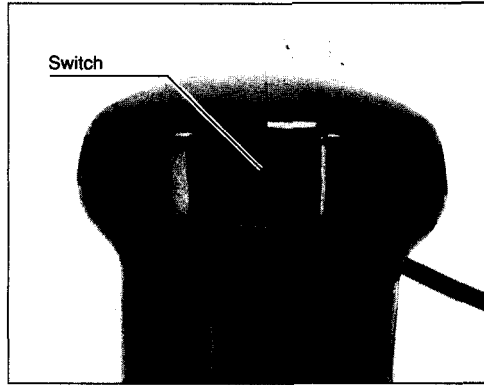
Switch Action

To start the tool:

1. Move the switch to the "ON" position.

To stop the tool:

1. Move the switch to the "OFF" position.



Operating the Tool

To operate the tool:

1. Hold the tool firmly.
2. Turn the tool on and wait until it attains full speed.
3. Gently place the tool onto the workpiece and apply pressure to sand the workpiece surface.



Operating Tips

- * A finishing sander is generally used to remove only a small amount of material at a time. Since the quality of the surface is more important than the amount of stock removed, **do not bear down on the tool.**
- * Keep the base flush with the workpiece at all times.
- * Excessive pressure may damage the paper and shorten tool life.

MAINTENANCE

CAUTION: Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Carbon Brushes

The tool will stop when the carbon brushes wear to a certain length. When this occurs, both carbon brushes should be replaced.

To maintain product **SAFETY** and **RELIABILITY**, repairs, carbon brush inspection and replacement, or any other maintenance and adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

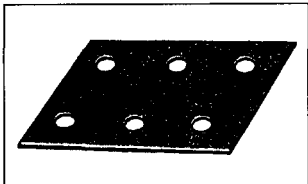
The accessories listed in this manual are available at an extra cost from your Makita distributor or Makita factory service center. Service centers are listed on the warranty card packed with your tool.

CAUTION: These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. These accessories or attachments should be used only in the proper and intended manner.

Dust bag
part no. 166027-1



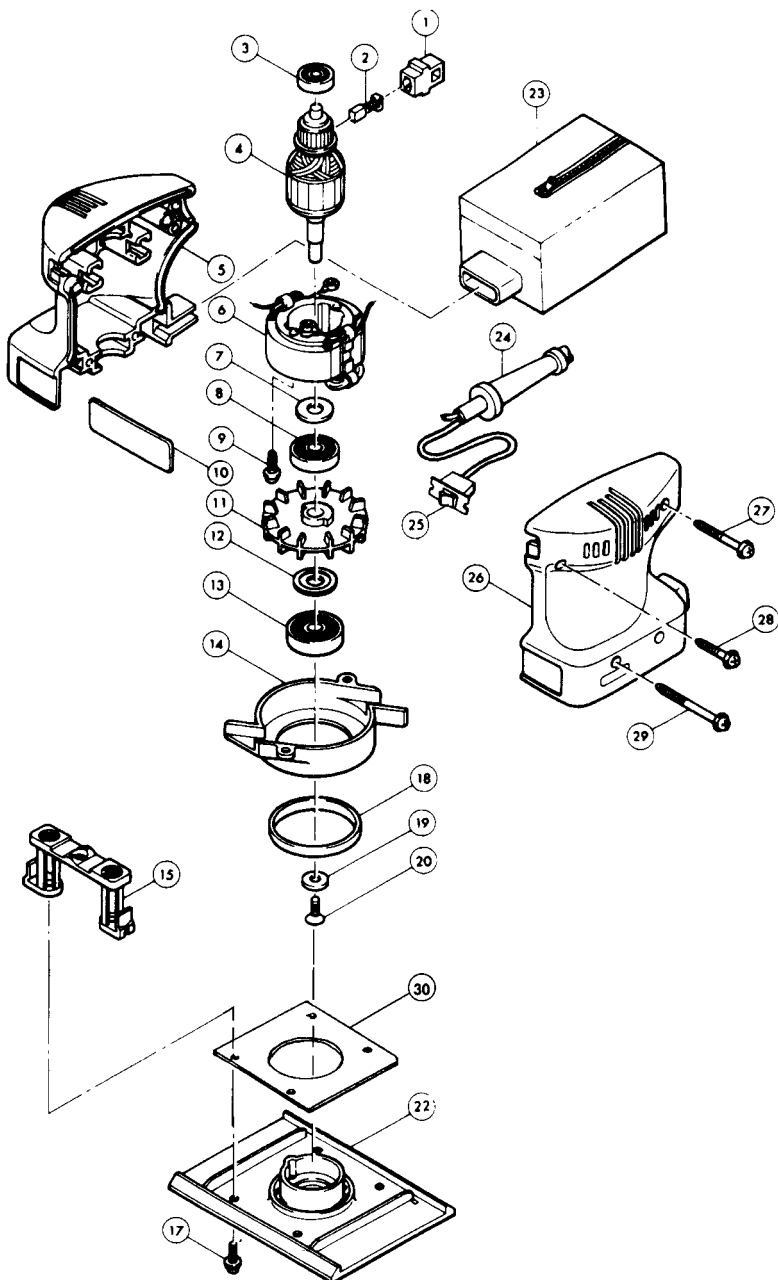
4" x 4 1/2" Sanding Paper
with Hook-and-loop backing
(multi-purpose for sanding
wood and metal).



PART NO.	QTY. PER PKG.	GRIT	USAGE
742529-7	5	60	COARSE- For heavy sanding and stripping. Paint and rust removal.
742520-A	5	80	MEDIUM COARSE - For fast stock removal and medium coarse finish.
742530-2	5	100	MEDIUM FINE - Moderately fast stock removal and medium finish.
742531-0	5	150	FINE - For smooth surface and finish sanding.
742521-A	5	240	EXTRA FINE - For very smooth surface prior to finishing and between coats of finish material.
742529-7-A	6 ASSORTED SHEETS - 2 each 60 Grit, 100 Grit & 150 Grit.		

FINISHING SANDER

Model BO4551



PARTS OF THE FINISHING SANDER

Item No.	Qty. Used	Description	Item No.	Qty. Used	Description
1	2	Brush Holder	14	1	Fan Guide
2	2	Carbon Brush	15	2	Foot
3	1	Ball Bearing 626LLB	17	4	Pan Head Screw M4 x 12 (with Washer)
4	1	ARMATURE ASSEMBLY (with items 3, 4, 7, and 8)	18	1	Rubber Sleeve 48
5	1	Housing Set (with item 26)	19	1	Flat Washer 6
6	1	FIELD ASSEMBLY	20	1	Countersunk Head Screw M4 x 12
7	1	Flat Washer 9	22	1	Base
8	1	Ball Bearing 629LLB	23	1	Dust Bag
9	2	Tapping Screw BT 4 x 16	24	1	Cord
10	1	Name Plate	25	1	Switch
11	1	Fan 63	26	1	Housing Set (with item 5)
12	1	Dust Seal 10	27	1	Tapping Screw BT 4 x 40
13	1	Ball Bearing 6200LLB	28	1	Tapping Screw BT 4 x 25
			29	2	Tapping Screw BT 4 x 50
			30	1	Plate 85

MAKITA LIMITED ONE YEAR WARRANTY

WARRANTY POLICY

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others,
- repairs are required because of normal wear and tear,
- the tool has been abused, misused or improperly maintained,
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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